

DERWENT-ACC-NO: 1980-20858C

DERWENT-WEEK: 198012

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TITLE: Paper coating compsn. for high gloss and
adhesive strength - comprises binder, inorganic pigment
and styrene!- unsatd. carboxylic acid copolymer

PATENT-ASSIGNEE: JAPAN SYNTHETIC RUBBER CO LTD[JAPS]

PRIORITY-DATA: 1978JP-0087694 (July 20, 1978)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE |
|----------------|------------------|----------|
| PAGES MAIN-IPC | | |
| JP 55016938 A | February 6, 1980 | N/A |
| 000 N/A | | |

INT-CL (IPC): D21H001/28

ABSTRACTED-PUB-NO: JP 55016938A

BASIC-ABSTRACT:

The compsn. is an aq. dispersion of (A) binder, (B) inorganic pigment and (C) particles of copolymer of 90 to 99.5 wt. % of (1) monomer mixt. consisting mainly of styrene and 0.5 to 10 wt. % of (2) unsaturated carboxylic acid monomer. About 80 wt. % of the polymer particles have a dia. of 0.15 to 0.3 μ ; The ratio (A): (C) is 90 to 40 : 10 to 60 and (B): (C) is 99.5 to 50 : 0.5 to 50 by dry weight.

Pref. (C)-(1) consists of 60-99.5 esp. 73-98 wt. % styrene and 0 to 30, 0 to 20 wt. % of ≥ 1 unsatd. carboxylic acid ester selected from methyl (meth)acrylate and ethyl (butyl) acrylate. Pref. (C) - (2) are (meth)acrylic acid and itaconic acid used in amt. 2 to 7 wt. %. Pref. (A) is styrene-butadiene

copolymer which contains >20 wt. % butadiene.

TITLE-TERMS: PAPER COATING COMPOSITION HIGH GLOSS ADHESIVE STRENGTH
COMPRISE

BIND INORGANIC PIGMENT POLYSTYRENE UNSATURATED CARBOXYLIC
ACID
COPOLYMER

ADDL-INDEXING-TERMS:
POLYBUTADIENE

DERWENT-CLASS: A13 A97 F09

CPI-CODES: A04-B03; A04-C04A; A04-F04A; A04-F05; A12-B01A; A12-B03A;
F05-A06B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0037 0218 0231 0306 1095 2208 2321 2504 2593 2651 2659
2725 0404

0411 0418 1410 1431 0405 0412 0419 0496 0503 0531 0538 0545 1411 1432

Multipunch Codes: 011 034 04- 040 055 056 074 075 076 077 104 116 117
122 155

157 27& 305 364 365 397 436 442 477 516 521 575 592 593 597 600 011
034 04- 040

051 055 056 074 075 076 077 081 082 083 104 116 117 122 155 157 27&
28& 305 364

365 397 436 442 477 516 521 575 592 593 597 600